High current field monitoring

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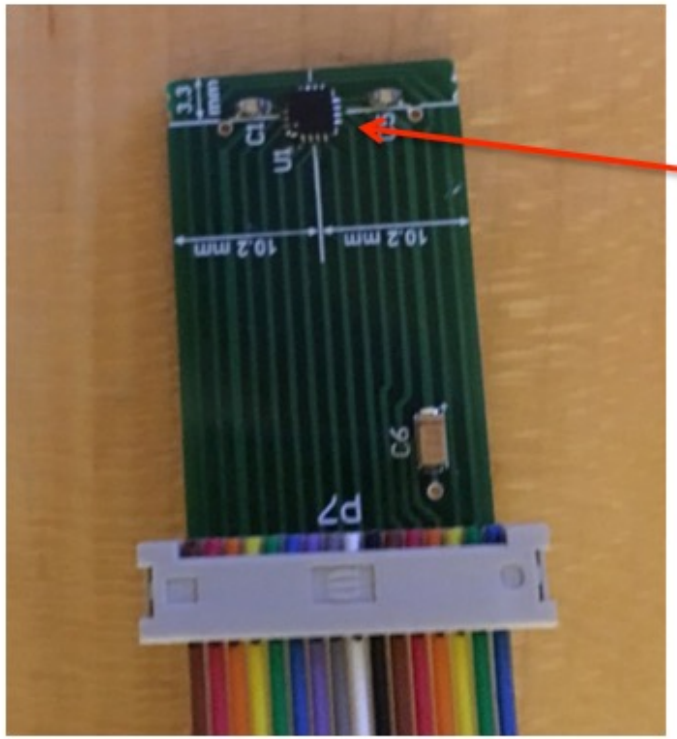
MV2 trials

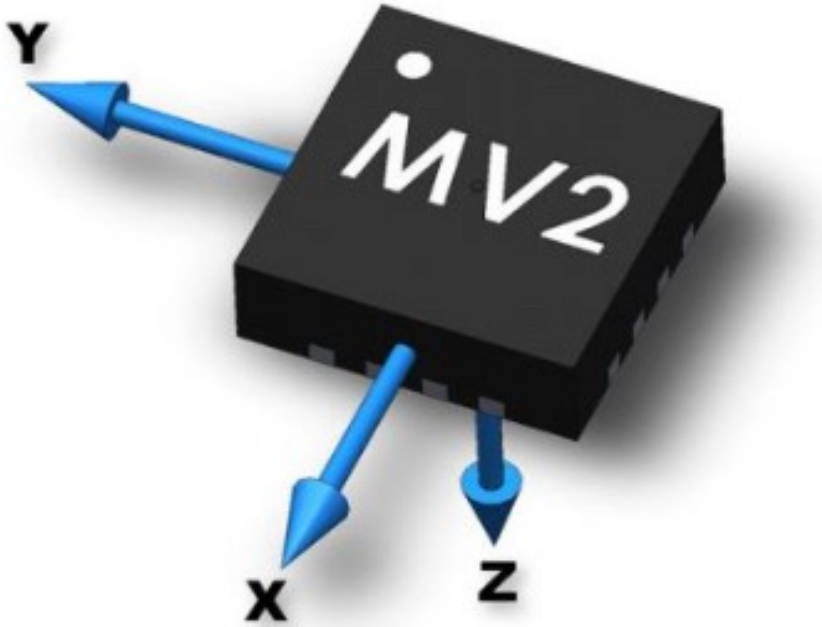


MV2 Hall Probe

John Haggerty showed this in December, he bought 3D probes which are read out by an Arduino. We talked to NSLS II folks about calibrating them.

Probe with SPI readout (Arduino)

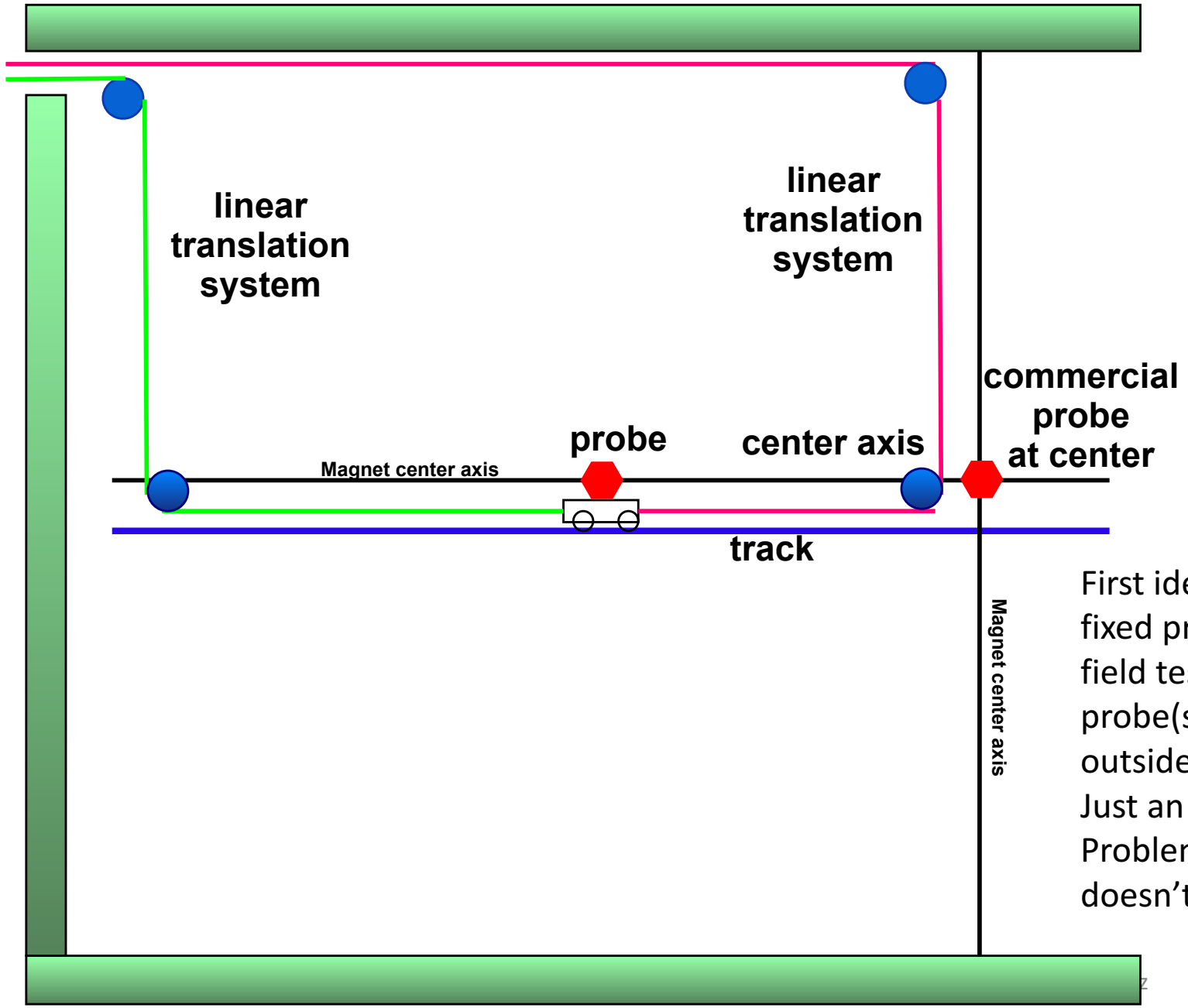
MagVector™ MV2 Magnetometer on a Chip



http://www.metrolab.com/products/magvector-mv2/

mbedded 3-Axis Hall Magnetometer

he MagVector™ MV2 is the ideal solution if you need to integrate a sophisticated agnetometer into your electronic system. A typical application would be a sensor array for a ustom magnetic field-mapping system. The MV2 was developed by MPS Tech Switzerland Sàrl ormerly Sensima Technology SA) in cooperation with Metrolab. Metrolab uses the same sensor several of its products, and is now making this technology available to electronic systems esigners. Note that, being an electronic peripheral component, the MagVector™ MV2 includes one of the amenities of a traditional magnetometer: the user must supply the micro-ontroller, control firmware, host interface, user interface, and, last but not least, alibration. For complete 3-axis Hall magnetometers, please see the THM1176 / TFM1186 family f instruments.



First idea to make more than a measurement with fixed probes. Install the old 3D probe, like in the low field test, in the magnet center, put the other 3D probe(s) on a little cart that can be pulled from the outside.

Just an idea using the existing frame we have.

Problems are installation and access if something doesn't work. Again just an idea.